

Title (en)

ADD/DROP NODE FOR AN OPTICAL COMMUNICATIONS NETWORK

Title (de)

AUSFÜGE/EINFÜGE KNOTEN FÜR EIN OPTISCHES ÜBERTRAGUNGSNETWORK

Title (fr)

NOEUD D'ADJONCTION/ABANDON POUR RESEAU DE COMMUNICATIONS OPTIQUES

Publication

EP 1483860 A1 20041208 (EN)

Application

EP 03712346 A 20030314

Priority

- GB 0301082 W 20030314
- GB 0206049 A 20020314

Abstract (en)

[origin: WO03079597A1] A 1550nm DWDM optical communications network has a 1300nm remote node added to which a small number of channels can be added or dropped. The additional node includes dual wavelength couplers to enable 1300nm wavelength signals to be added or dropped. The 1300nm signals are demultiplexed using a WDM filter and connected into the transponders of the 1550nm nodes for transportation around the node. Signals for the remote network are converted to 1300nm signals at the 1550nm node transponders and multiplexed onto the network to be dropped to the network node transponder.

IPC 1-7

H04J 14/02

IPC 8 full level

H04J 14/00 (2006.01); **H04B 10/25** (2013.01); **H04B 10/2581** (2013.01); **H04B 10/27** (2013.01); **H04B 10/275** (2013.01); **H04B 10/29** (2013.01); **H04B 10/524** (2013.01); **H04B 10/572** (2013.01); **H04J 14/02** (2006.01)

CPC (source: EP US)

H04J 14/0204 (2013.01 - EP US); **H04J 14/0205** (2013.01 - EP US); **H04J 14/0213** (2013.01 - EP US); **H04J 14/0247** (2013.01 - EP US); **H04J 14/0252** (2013.01 - EP US); **H04J 14/0283** (2013.01 - EP US); **H04J 14/0226** (2013.01 - EP US)

Citation (search report)

See references of WO 03079597A1

Designated contracting state (EPC)

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DOCDB simple family (publication)

WO 03079597 A1 20030925; AU 2003216811 A1 20030929; CA 2475858 A1 20030925; CN 1643833 A 20050720; EP 1483860 A1 20041208; GB 0206049 D0 20020424; JP 2005520434 A 20050707; JP 4061276 B2 20080312; US 2005226619 A1 20051013; US 7609970 B2 20091027

DOCDB simple family (application)

GB 0301082 W 20030314; AU 2003216811 A 20030314; CA 2475858 A 20030314; CN 03805955 A 20030314; EP 03712346 A 20030314; GB 0206049 A 20020314; JP 2003577466 A 20030314; US 50692405 A 20050425